

FIGURE 1

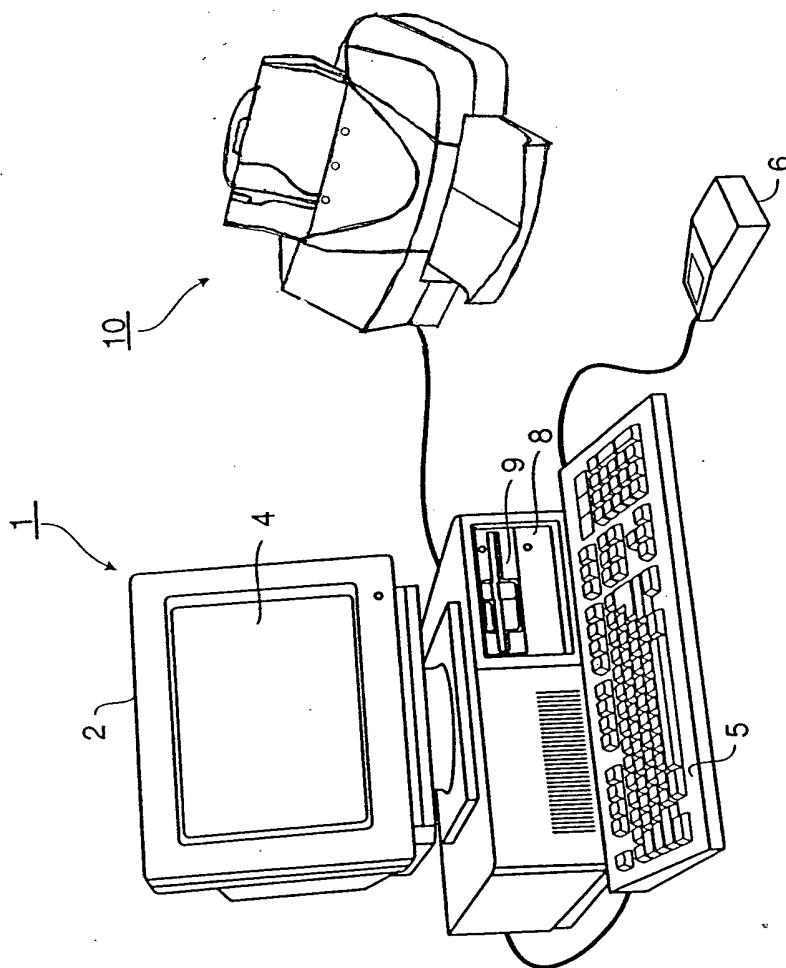


FIGURE 3

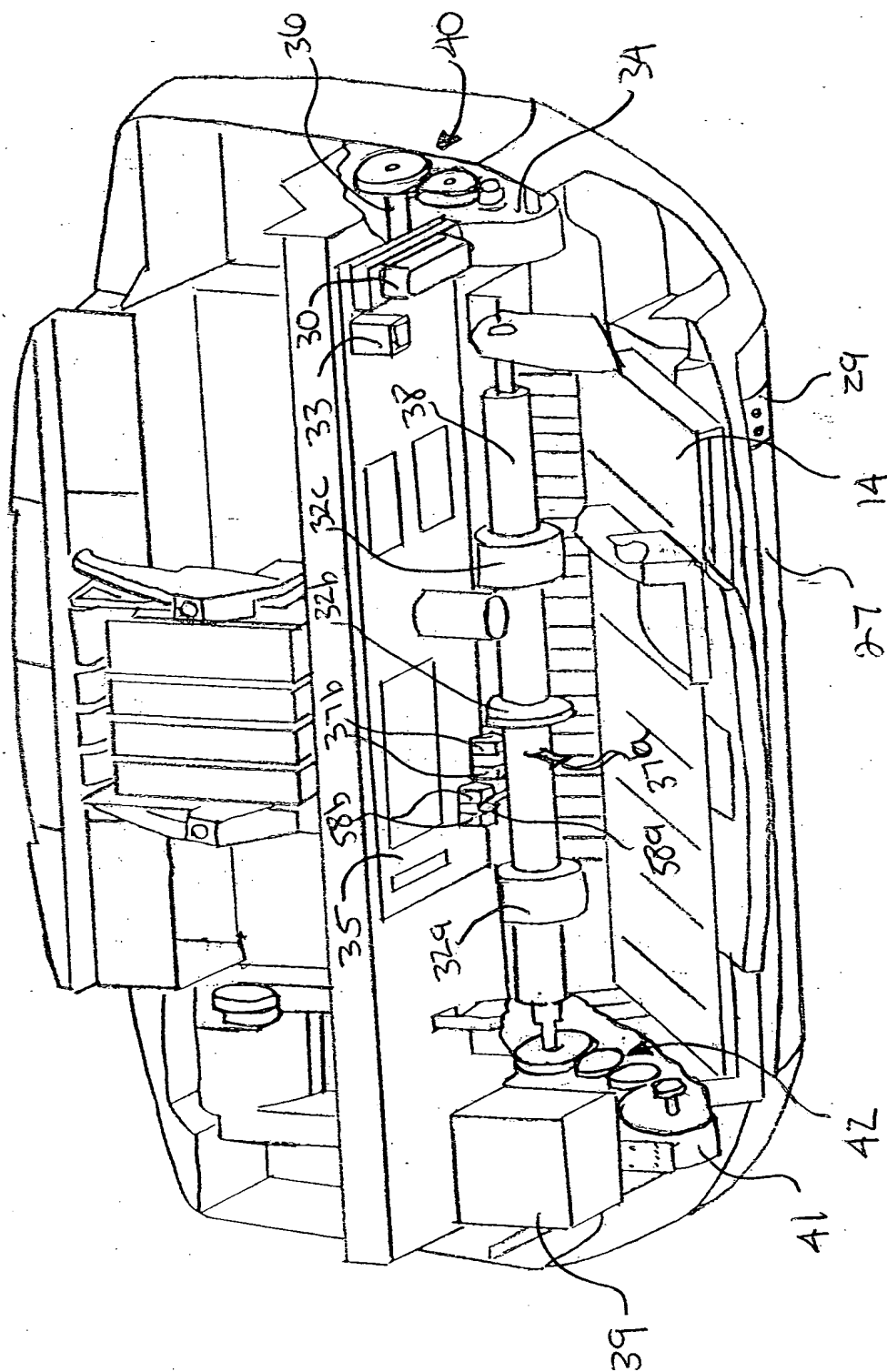


FIGURE 4

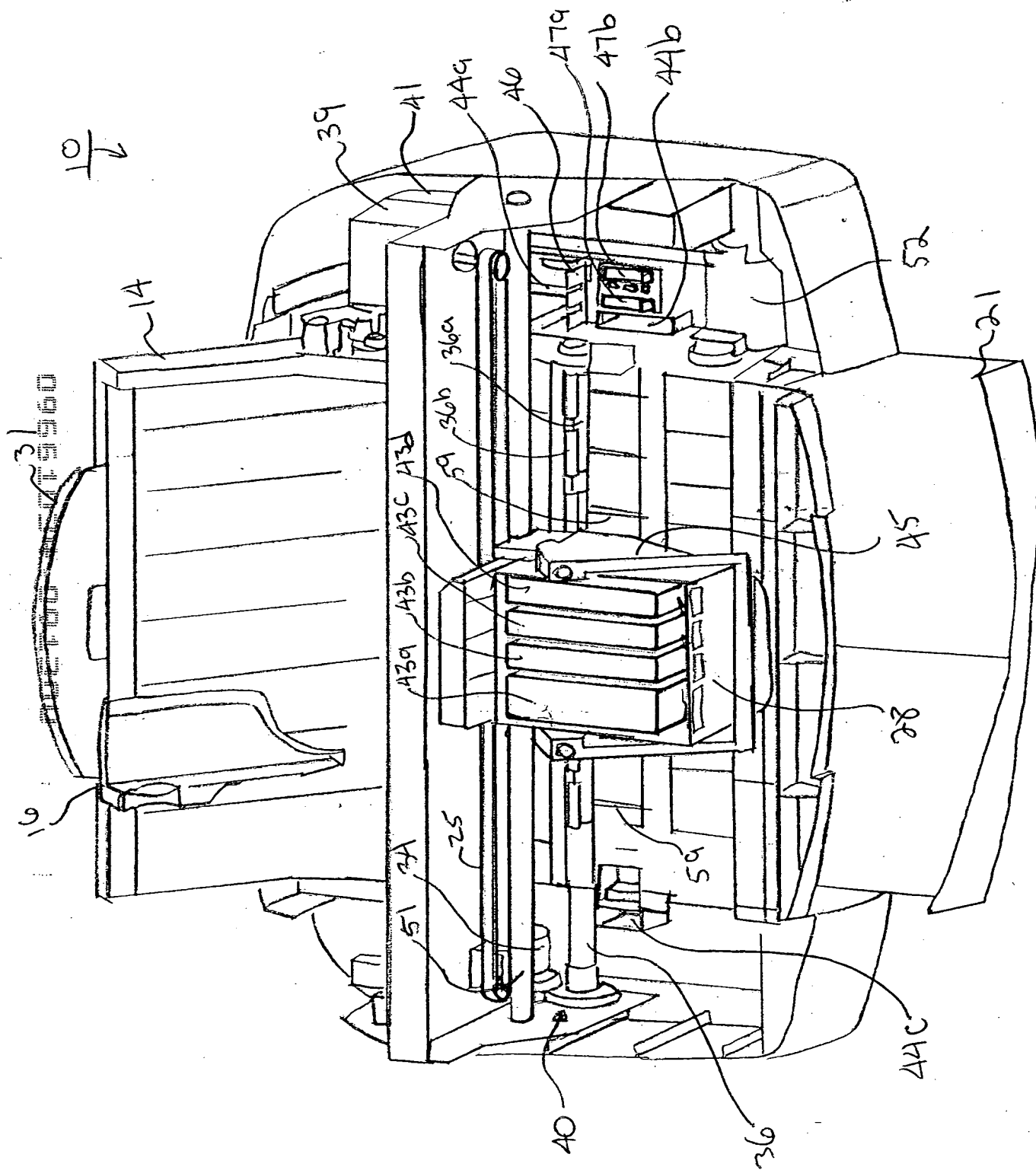
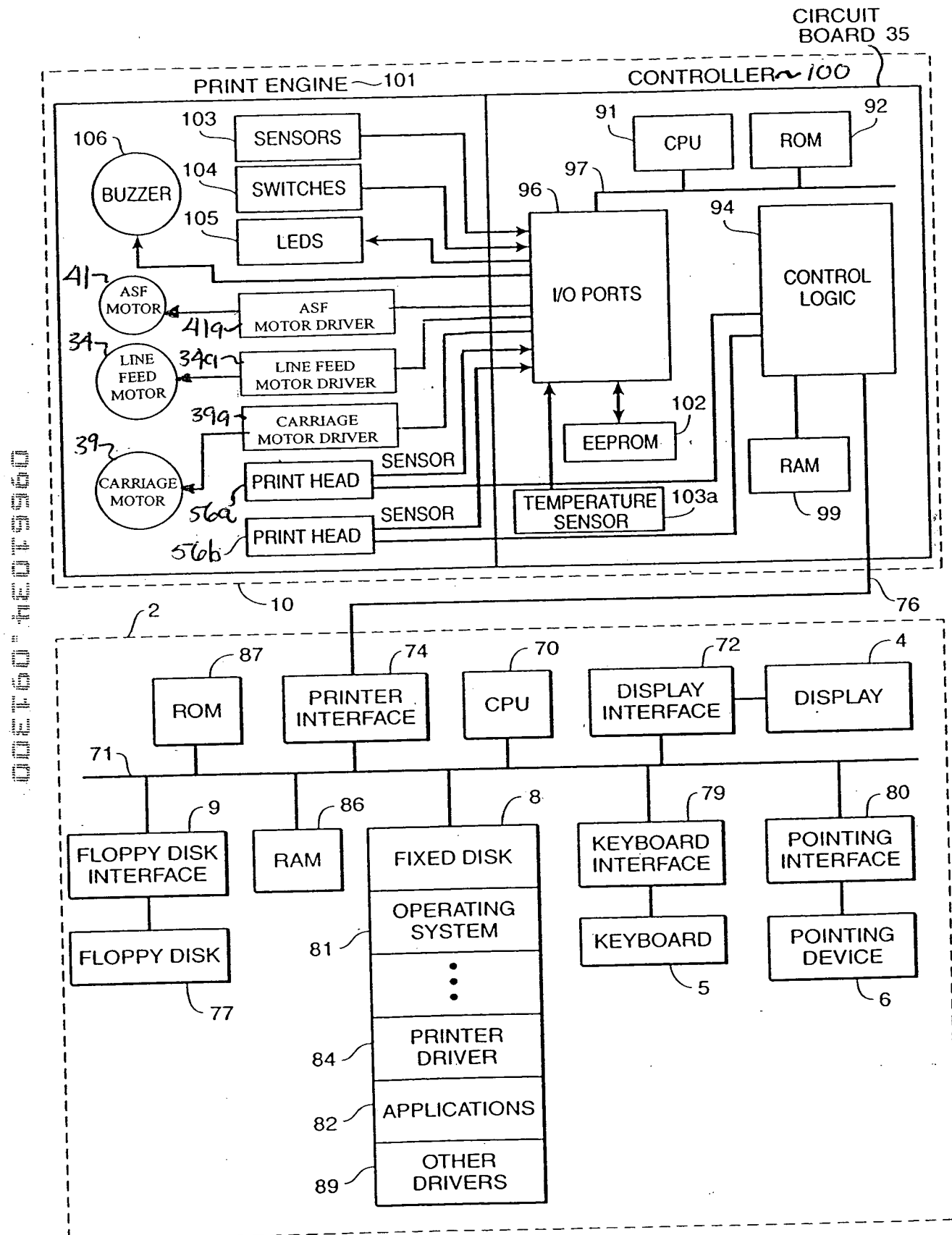


FIGURE 5

FIGURE 6B



SECRET

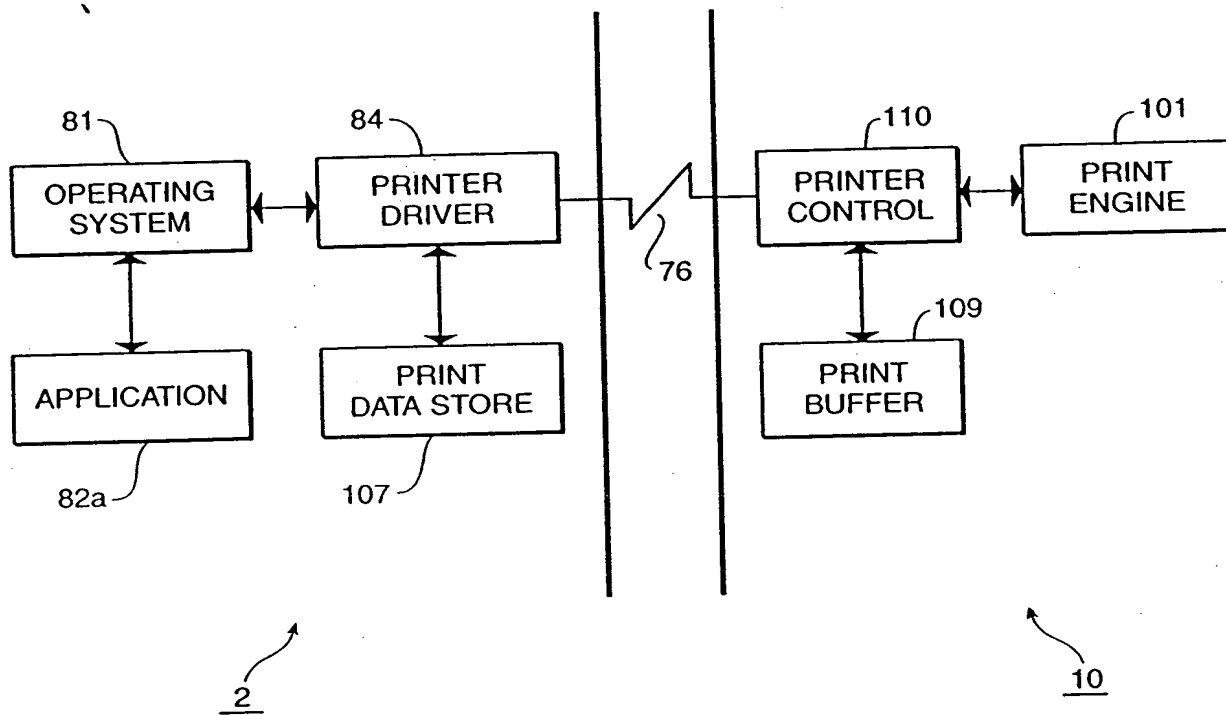


FIGURE 10

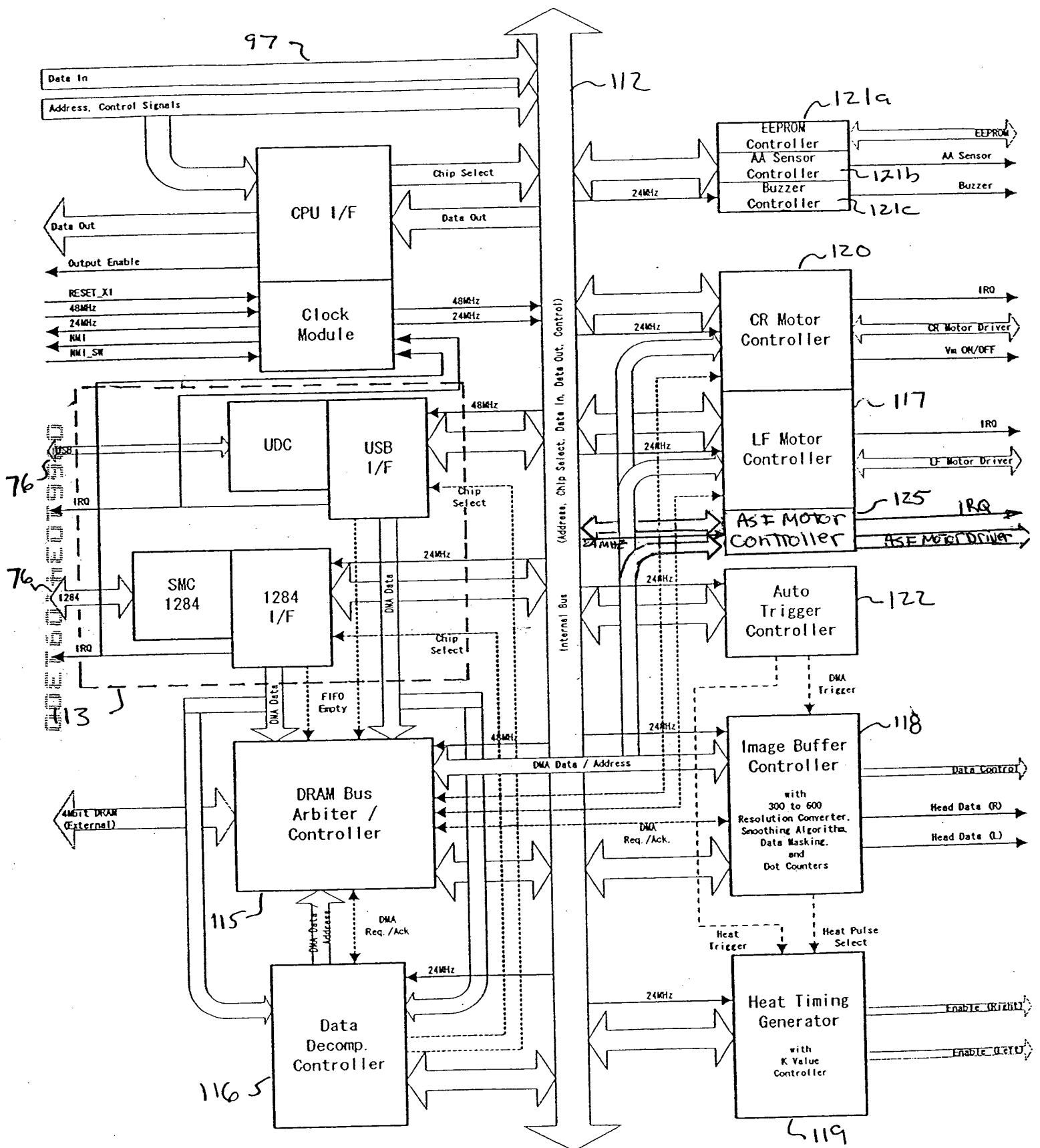


FIGURE 11

A block diagram showing a vertical stack of memory components. From top to bottom, the components are: EEPROM 102, RAM 99, CONTROL LOGIC 94 STORE, and ROM 92. Each component is enclosed in a rectangular box. To the right of the stack, four reference numerals are shown with curved lines pointing to their respective components: 123 points to EEPROM 102, 126 points to RAM 99, 121 points to CONTROL LOGIC 94 STORE, and 124 points to ROM 92.

123

EEPROM 102

126

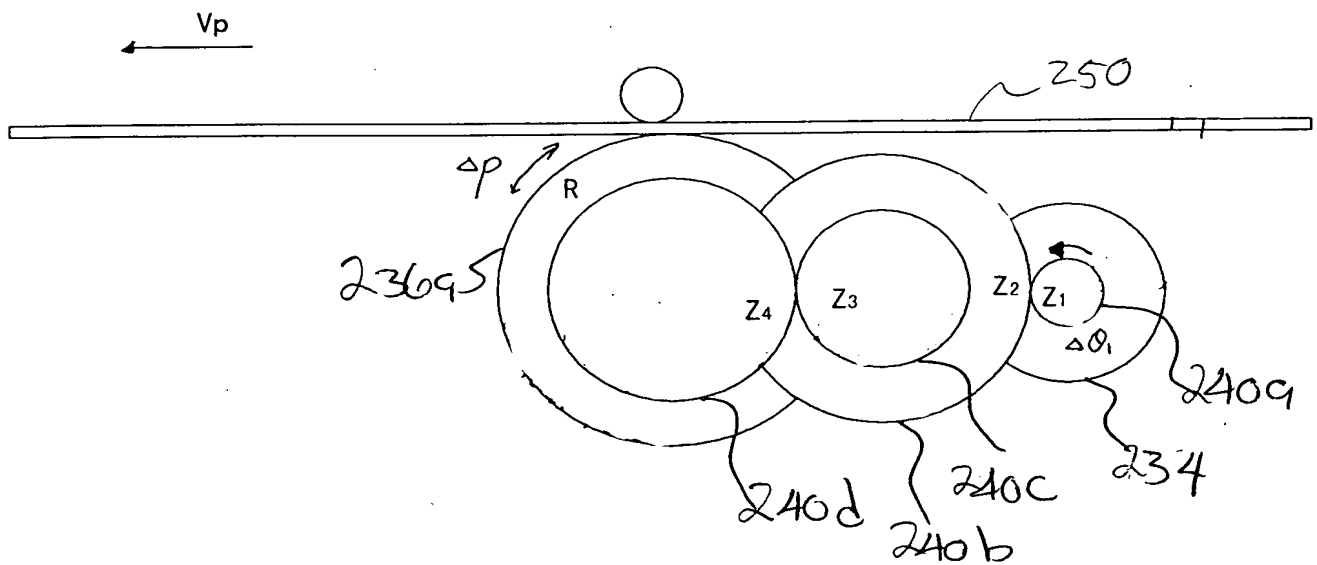
RAM 99

121

CONTROL LOGIC 94
STORE

124

ROM 92



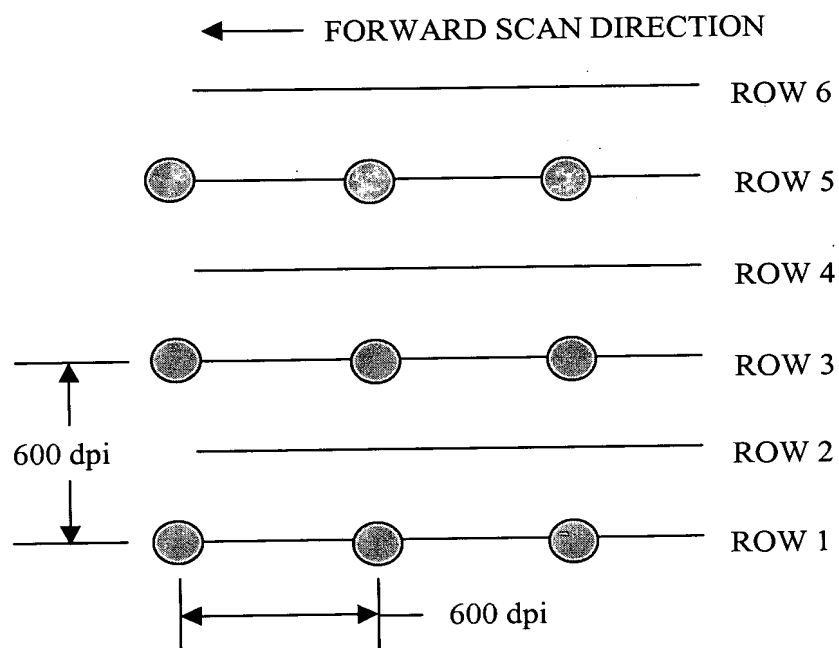


FIGURE 16A

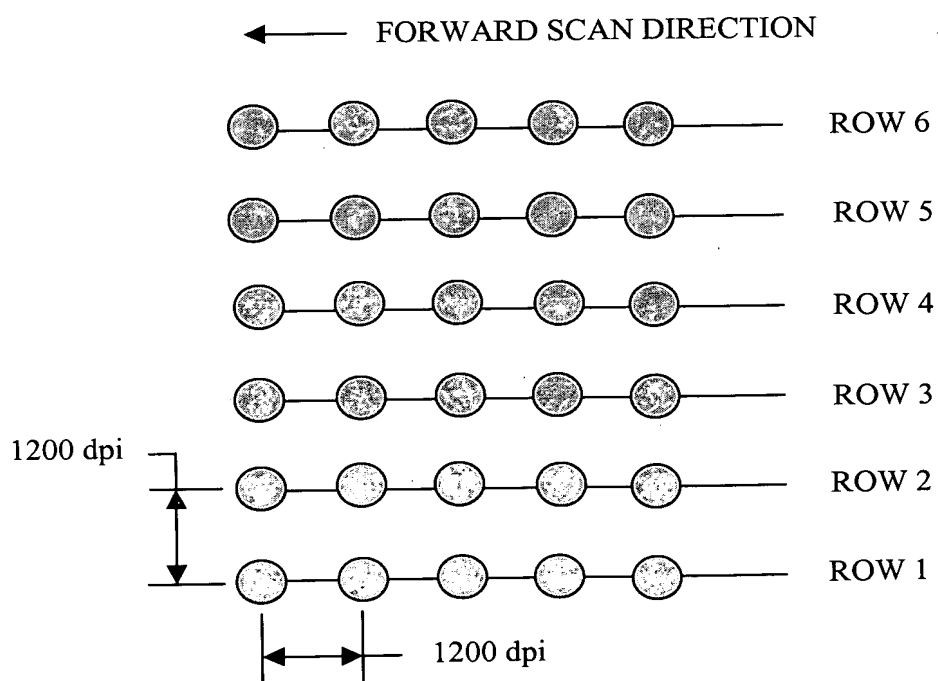


FIGURE 16B

The diagram illustrates a 5-row dot matrix printer. It shows five horizontal rows, labeled ROW 1 to ROW 5 from bottom to top. ROW 1 and ROW 3 contain solid black dots, while ROW 2, ROW 4, and ROW 5 contain hollow circles. A vertical double-headed arrow on the left indicates a row pitch of 1200 dpi between ROW 1 and ROW 2. A horizontal double-headed arrow at the bottom indicates a column pitch of 1200 dpi between the first and second dots in ROW 1. Below the diagram is the text '1 LINE FEED MOTOR PULSE'.

FIGURE 16C

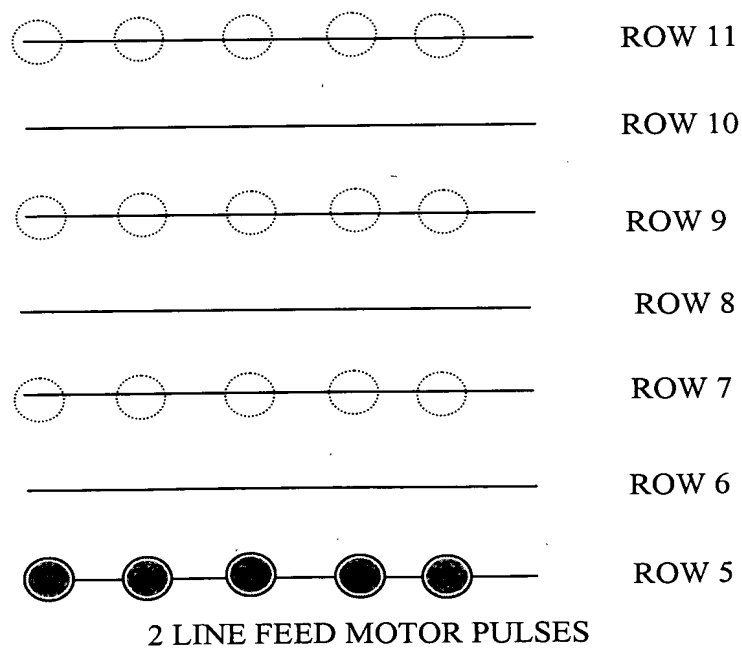


FIGURE 16D

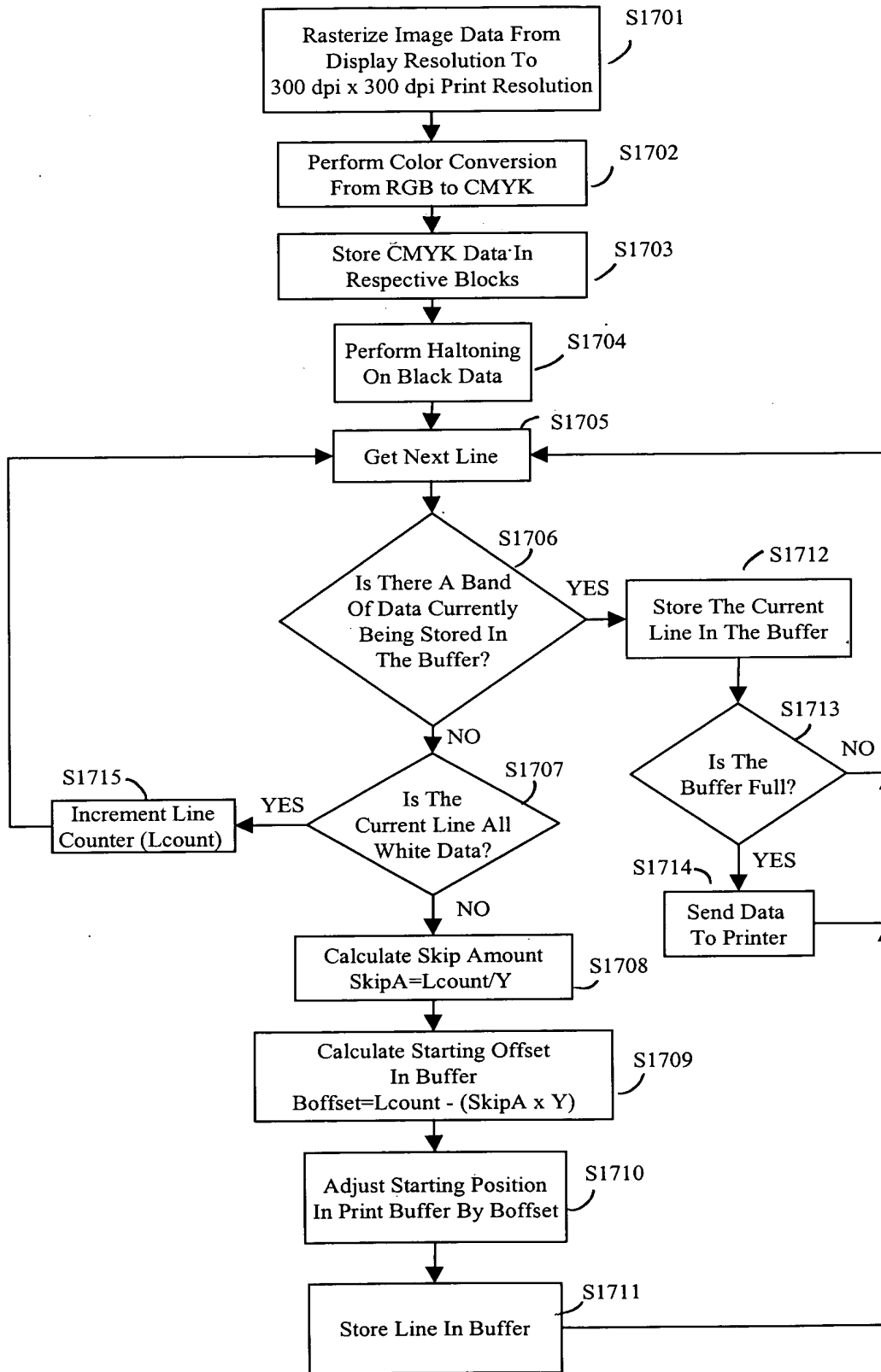


FIGURE 17

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graph TD
    S1801[S1801: Rasterize Image Data From Display Resolution To 300 dpi x 300 dpi Print Resolution] --> S1802[S1802: Perform Color Conversion From RGB to CMYK]
    S1802 --> S1803[S1803: Store CMYK Data In Respective Blocks]
    S1803 --> S1804[S1804: Perform Haltoning On Black Data]
    S1804 --> S1805[S1805: Get Next Y Lines]
    S1805 --> S1806{S1806: "Skip" = 0?}
    S1806 -- YES --> S1812[S1812: Store The Y Lines In The Buffer]
    S1806 -- NO --> S1807{S1807: Are All Of The Y Lines All White Data?}
    S1807 -- YES --> S1815[S1815: Increment SkipA By 1]
    S1815 --> S1805
    S1807 -- NO --> S1808[S1808: Increment Boffset By Number Of White Lines Encountered Before A Line With Black Data Is Encountered]
    S1808 --> S1809[S1809: Set "Skip" = 0]
    S1809 --> S1810[S1810: Adjust Starting Position In Print Buffer By Boffset]
    S1810 --> S1811[S1811: Store Y Lines In Buffer]
    S1811 --> S1805
    S1812 --> S1813{S1813: Is The Buffer Full?}
    S1813 -- NO --> S1805
    S1813 -- YES --> S1814[S1814: Set "Skip" = 1 And Send SkipA And Data To Printer]
    S1814 --> S1805

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FIGURE 18